

At page 19, line 25, delete "Figure 7 shows" and insert therefor --Fig. 7a and Fig. 7b show--.

At page 19, line 27, after "micro-location" insert --, Fig. 7a showing the addressable microlocations in a neutral condition and Fig. 7b showing the addressable microlocations in a charged state--.

At page 19, line 28, delete "Figure 8 shows" and insert therefor --Figs. 8a, 8b, 8c and 8d show--.

At page 19, line 30, after "SSO-C)" insert --, Fig. 8a showing a first microlocation (ML-1) being addressed, Fig. 8b showing a second microlocation (ML-2) being addressed, Figure 8c showing a third microlocation (ML-3) being addressed and Figure 8d showing the three microlocations after being addressed and assembled--.

At page 19, line 31, delete "Figure 9 shows" and insert therefor --Figs. 9a, 9b and 9c show--.

At page 20, line 2, after "capture sequences" insert --, Fig. 9a showing specific capture sequences on addressable microlocations, Fig. 9b showing specific and nonspecific DNA adjacent the structure of Fig. 9a, and Fig. 9c showing hybridized material adjacent microlocations ML-1 and ML-3--.

At page 20, line 3, delete "Figure 10 shows" and insert therefor --Figs. 10a and 10b show--.

At page 20, line 4, after "hybridization process" insert --, Fig. 10a showing materials adjacent microlocation ML-3 and Fig. 10b showing materials adjacent microlocations ML-3 and ML-5--.

At page 20, line 5, delete "Figure 11 shows" and insert therefor --Figs. 11a, 11b and 11c show--.

At page 20, line 7, after "mutations" insert --, Fig. 11a showing uncharged addressable microlocations, Fig. 11b showing negatively charged microlocations and Fig. 11c showing negatively charged microlocations with material denatured from microlocation ML-3--.

At page 20, line 8, delete "Figure 12 shows" and insert therefor --Figs. 12a, 12b, 12c and 12d show--.

At page 20, line 11, after "process" insert --, Fig. 12a showing uncharged microlocations, Fig. 12b showing negatively charged microlocations, Fig. 12c showing uncharged microlocations with dye and Fig. 12d showing positively charged microlocations--.

At page 20, line 12, delete "Figure 13 shows" and insert therefor --Figs. 13a, 13b and 13c show--.

At page 20, line 13, after "device" insert --, Fig. 13a showing negatively charged addressable microlocations, Fig. 13b showing two opposed substrates, one substrate being that of Fig. 13a and the other being a sister device containing an attachment layer, and Fig. 13c showing two substrates, each of which has sequences bound to the microlocations--.

At page 20, line 14, delete "Figure 14 shows" and insert therefor --Figs. 14a, 14b, 14c, 14d, 14e, and 14f show--.

At page 20, line 15, after "oligonucleotides" insert --, Fig. 14a showing addressable microlocations with blocking groups, Fig. 14b showing addressable microlocations with blocking groups in combination with a deblocking group, Fig. 14c showing blocked and deblocked addressable microlocations in the presence of monomer C, Fig. 14d showing addressable microlocations in combination with a deblocking group, Fig. 14e showing deblocked sites on microlocation ML-2 in the presence of monomer A and Fig. 14f showing microlocations with blocking groups on the terminal ends of sequences--.

At page 39, line 15, delete "Figure 7" and insert therefor --Figs. 7a and 7b--.

At page 39, line 21, delete "Figure 8" and insert therefor --Figs. 8a through 8d

At page 42, line 1, delete "claimed".

At page 42, line 18, delete "claimed" and insert therefor --disclosed--.

At page 43, line 12, delete "Figure 8" and insert therefor --Figs. 8a through 8d--.

At page 44, line 27, delete "Figure 9" and insert therefor --Figs. 9a through 9c--.

At page 45, line 24, delete "Figure 10" and insert therefor --Figs. 10a and 10b--.

At page 46, line 4, delete "claimed" and insert therefor --disclosed--.

At page 46, line 8, delete "Figure 11" and insert therefor --Figs. 11a through 11c--.

At page 49, line 1, delete "Figure 12" and insert therefor --Figs. 12a through 12d--.

At page 51, line 7, delete "Figure 13" and insert therefor --Figs. 13a through 13c--.

At page 54, line 12, "Figure 14" and insert therefor --Figs. 14a through 14f--.

At page 60, line 7, after "TCU" insert --(Sequence No. 1)--.

At page 60, line 8, after "AAU" insert --(Sequence No. 2)--.

At page 60, line 9, after "CTG U" insert --(Sequence No. 3)--.

At page 60, line 10, after "GU" insert --(Sequence No. 4)--.

At page 60, line 11, after "CU" insert --(Sequence No. 5)--.

At page 60, line 12, after "AGU" insert --(Sequence No. 6)--.

At page 60, line 13, after "GU" insert --(Sequence No. 7)--.

At page 60, line 14, after "ACU" insert --(Sequence No. 8)--.

At page 60, line 15, after "GAC U" insert --(Sequence No. 9)--.

At page 60, line 16, after "TU" insert --(Sequence No. 10)--.

At page 60, line 17, after "CU" insert --(Sequence No. 11)--.

At page 60, line 18, after "TU" insert --(Sequence No. 12)--.

At page 61, line 2, after "AT" insert --(Sequence No. 13)--.

At page 61, line 3, after "AGG" insert --(Sequence No. 14)--.

At page 61, line 4, after "CTC" insert --(Sequence No. 15)--.

At page 61, line 5, after "TTT T" insert --(Sequence No. 16)--.

At page 61, line 7, after "TAG" insert --(Sequence No. 17)--.

At page 61, line 8, after "ACT C" insert --(Sequence No. 18)--.

At page 61, line 9, after "TAC G" insert --(Sequence No. 19)--.

At page 61, line 10, after "AC" insert --(Sequence No. 20)--.

At page 61, line 11, after "CAT C" insert --(Sequence No. 21)--.

At page 61, line 12, after "AG" insert --(Sequence No. 22)--.

At page 61, line 13, after "GAA" insert --(Sequence No. 23)--.

At page 61, line 14, after "GGA A" insert --(Sequence No. 24)--.

At page 61, line 15, after "AAC A" insert --(Sequence No. 25)--.

At page 61, line 16, after "GAT G" insert --(Sequence No. 26)--.

At page 70, line 8, delete "the".

At page 71, line 10, delete "silica" and insert therefor --silicon--.

At page 71, line 28, delete ". Then" and insert therefor --, and then--

At page 75, line 33, after "micro-location" insert --(Sequence No. 27)--.

At page 76, line 2, after "micro-location" insert --(Sequence No. 28)--.

At page 76, line 5, after "(TR)" insert --(Sequence No. 29)--.

At page 76, line 6, after "(TR)" insert --(Sequence No. 30)--.

At page 76, line 7, after "(TR)" insert --(Sequence No. 31)--.

At page 78, line 12, after "GAU" insert --(Sequence No. 32)--.

At page 78, line 14, after "GA" insert --(Sequence No. 33)--.

At page 78, line 15, after "CCA C" insert --(Sequence No. 34)--.

At page 78, line 16, after "CCA C" insert --(Sequence No. 35)--.

At page 78, line 17, after "CCA C" insert --(Sequence No. 36)--.

At page 78, line 18, after "CCG C" insert --(Sequence No. 37)--.

At page 78, line 19, after "ACG C" insert --(Sequence No. 38)--.

At page 89, line 4, after "CAG U" insert --(Sequence No. 39)--.

At page 89, line 5, after "GTG U" insert --(Sequence No. 40)--.

At page 89, line 7, after "ACC G" insert --(Sequence No. 41)--.

At page 89, line 9, after "AAT C" insert --(Sequence No. 42)--.

At page 89, line 10, after "TGC" insert --(Sequence No. 43)--.

At page 89, line 11, after "CAT" insert --(Sequence No. 44)--.

IN THE CLAIMS:

Please cancel claims 110, 116, 137, 138, 144, 145, 158, 171, 172, 173, 183, 197, 200, 201, 205-213.

Please amend the claims as follows:

95. (Amended) A method for electronic synthesis of an array of separately formed complex structures on a substrate, comprising the steps of:

providing a substrate having an array of controllable electrodes supported by the substrate,

providing first structures coupled to the electrodes, the structures having a blocked functional group,